

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P476456

Luminaire Tested: **IFLD-S-SA6B-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476456
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

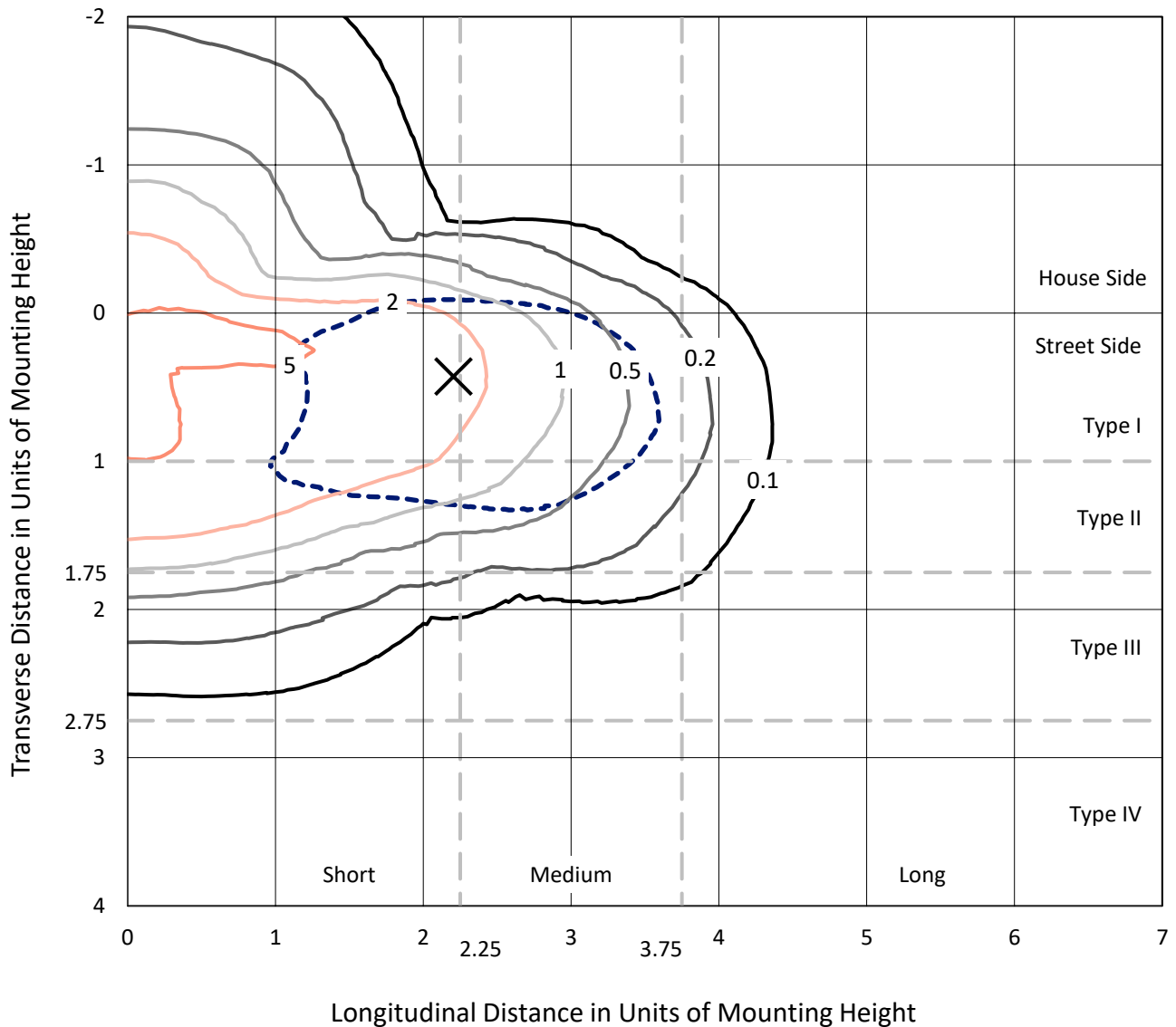
Lumens per Lamp: N/A
Luminaire Lumens: 24557.8 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

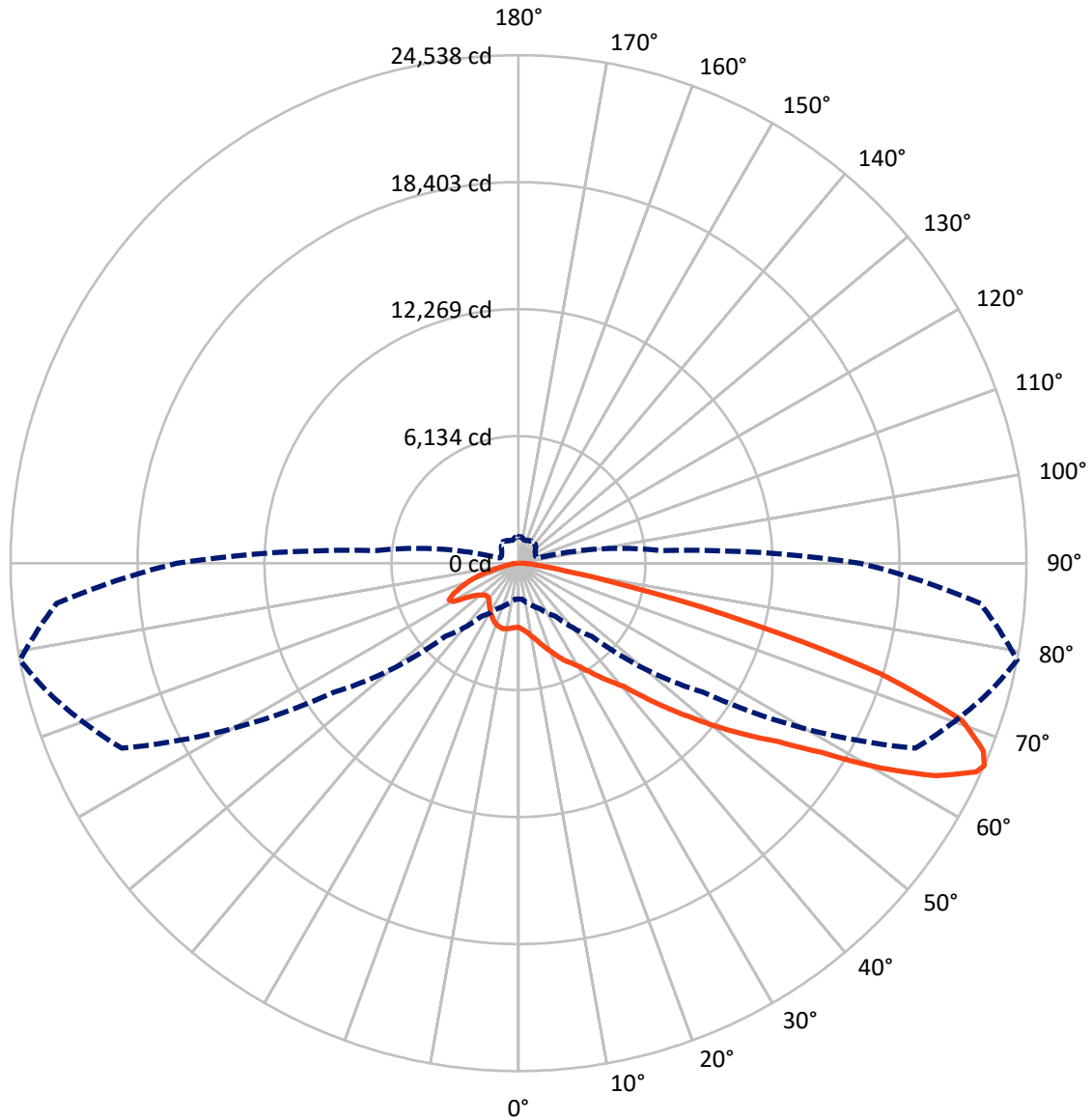
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4959.1	0.0	4959.1
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	19598.7	0.0	19598.7
	% Fixture	79.8	0.0	79.8
Total	Lumens	24557.8	0.0	24557.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	1.2
10°-20°	941.6	3.8
20°-30°	1616.2	6.6
30°-40°	2496.8	10.2
40°-50°	3999.2	16.3
50°-60°	5971.1	24.3
60°-70°	6135.3	25.0
70°-80°	2719.7	11.1
80°-90°	373.2	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	24557.8	100.0
0°-180°	24557.8	100.0

Coefficient of Utilization



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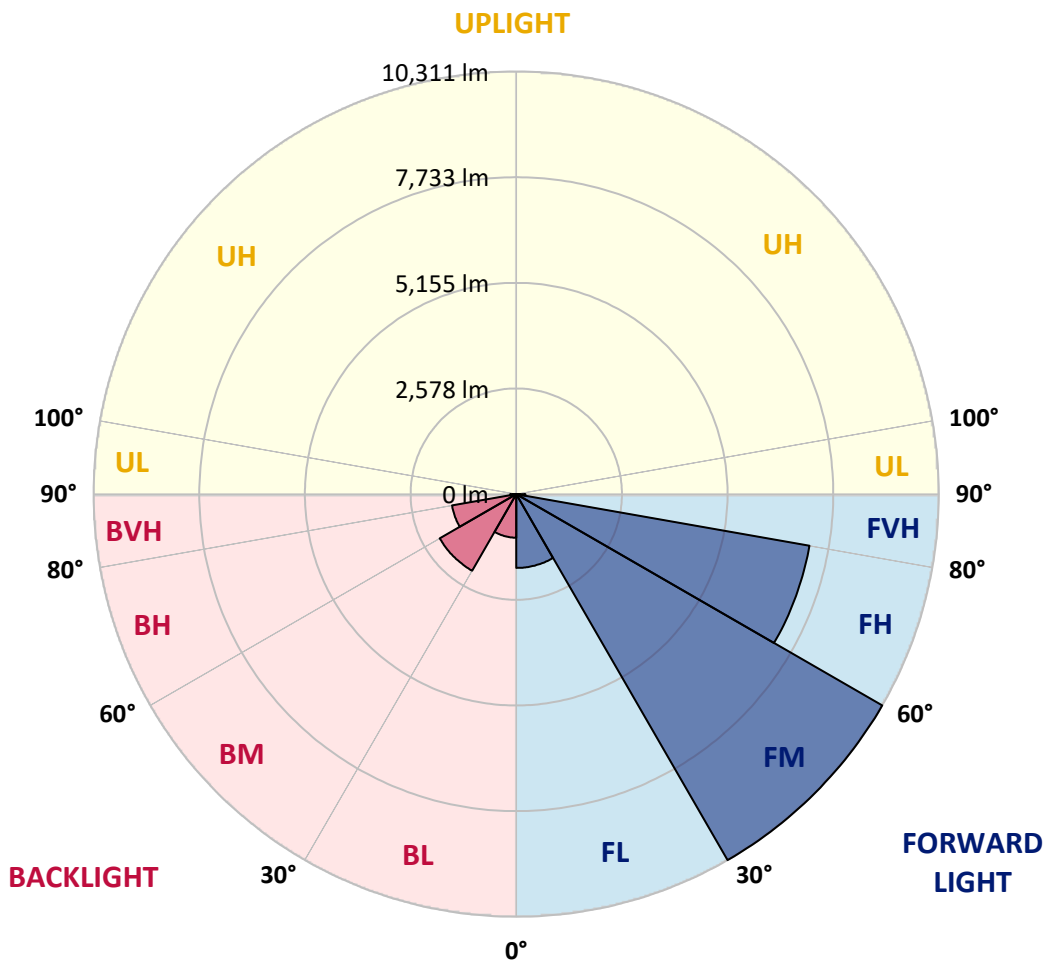
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1800.2	7.3			
FM (30°-60°)	10311.0	42.0			
FH (60°-80°)	7263.7	29.6			G3/7500
FVH (80°-90°)	223.8	0.9			G2/225
BL (0°-30°)	1062.5	4.3	B3/2500		
BM (30°-60°)	2156.0	8.8	B2/2500		
BH (60°-80°)	1591.3	6.5	B3/2500		G3/2500
BVH (80°-90°)	149.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0
2.5°	3298.2	3300.9	3300.9	3290.1	3292.8	3300.9	3271.1	3206.3	3206.3	3195.5	3176.6
5°	3500.7	3487.2	3468.3	3471.0	3460.2	3460.2	3427.8	3365.7	3311.7	3290.1	3233.3
7.5°	3527.8	3541.3	3538.6	3571.0	3587.2	3587.2	3603.4	3552.1	3471.0	3419.7	3363.0
10°	3581.8	3546.7	3544.0	3619.6	3643.9	3700.6	3765.5	3738.4	3670.9	3598.0	3522.4
12.5°	3614.2	3635.8	3635.8	3673.6	3730.3	3814.1	3927.5	3978.9	3873.5	3797.9	3681.7
15°	3662.8	3633.1	3719.5	3752.0	3860.0	3919.4	4081.5	4213.9	4143.6	4051.8	3868.1
17.5°	3684.4	3665.5	3714.1	3773.6	3957.2	4046.4	4243.6	4427.3	4367.8	4308.4	4119.3
20°	3795.2	3792.5	3814.1	3862.7	3995.1	4170.6	4416.4	4670.4	4692.0	4583.9	4327.3
22.5°	4065.3	4030.2	4030.2	4011.3	4068.0	4249.0	4581.2	4932.4	5029.6	4902.7	4562.3
25°	4313.8	4362.4	4332.7	4246.3	4224.7	4319.2	4700.1	5210.6	5340.3	5221.4	4881.1
27.5°	4632.5	4648.8	4700.1	4583.9	4435.4	4465.1	4829.7	5367.3	5634.7	5475.3	5062.0
30°	5091.7	5062.0	5051.2	4921.6	4727.1	4686.6	4978.3	5596.9	6021.0	5796.8	5275.4
32.5°	5402.4	5475.3	5472.6	5294.3	5059.3	4970.2	5162.0	5813.0	6434.2	6226.2	5669.8
35°	6018.3	6093.9	6034.5	5772.4	5496.9	5318.6	5426.7	6093.9	6906.9	6744.9	6004.7
37.5°	6804.3	6982.6	6855.6	6372.1	5983.1	5788.7	5794.1	6399.1	7390.5	7258.1	6364.0
40°	7347.2	7587.6	7412.1	6958.3	6545.0	6361.3	6288.4	6761.1	7968.5	7828.1	6925.9
42.5°	8019.8	8219.7	8127.9	7679.5	7196.0	7039.3	6893.4	7366.2	8851.8	8787.0	7647.1
45°	8754.6	8849.1	8819.4	8535.8	7998.2	7944.2	7622.8	8163.0	9891.8	9918.8	8549.3
47.5°	9438.0	9489.3	9546.0	9340.7	9005.8	9051.7	8462.8	9016.6	10902.0	11080.3	9554.1
50°	9613.5	9789.1	9921.5	10059.2	10132.2	10442.8	9389.3	10064.6	12063.5	12409.3	10672.4
52.5°	9435.3	9421.8	9824.2	10256.4	10985.7	11636.7	10650.8	11366.6	13090.0	13773.4	11696.2
55°	8624.9	8597.9	9246.2	9818.8	11242.4	12301.2	12452.5	13100.8	14329.8	15218.5	13081.9
57.5°	7206.8	7039.3	7747.0	8687.0	10685.9	12374.2	14262.3	15675.0	16236.9	17249.8	15196.9
60°	4843.2	4773.0	5451.0	6572.0	8676.2	11339.6	15345.5	18897.5	18924.6	20064.5	18478.9
62.5°	2982.1	2995.6	3430.5	4270.6	6075.0	8989.6	14878.2	21471.8	21477.2	22619.8	21180.0
65°	1950.3	1958.4	2309.5	2774.1	3795.2	6096.6	12303.9	21674.4	23251.9	24313.4	22417.2
66°	1736.9	1739.6	2042.1	2420.3	3144.2	4989.1	10866.9	21147.6	23651.6	24537.6	22401.0
67.5°	1464.0	1499.2	1742.3	2034.0	2452.7	3584.5	8622.2	19624.2	23446.3	24224.3	21893.2
70°	1145.3	1164.2	1356.0	1653.1	1839.5	2074.5	5124.2	15996.5	21461.0	22722.4	20045.5
72.5°	918.4	934.6	1080.5	1342.5	1493.8	1366.8	2790.3	11607.0	16952.7	18297.9	15766.9
75°	775.2	777.9	848.2	1056.2	1229.0	1026.5	1485.7	7449.9	10877.7	11504.4	9659.5
77.5°	626.7	637.5	686.1	805.0	988.6	807.7	886.0	4173.3	5461.8	5507.7	4465.1
80°	510.5	515.9	545.6	586.2	753.6	597.0	599.7	2036.7	2341.9	2287.9	1815.2
82.5°	402.5	407.9	443.0	434.9	553.7	426.8	372.8	980.5	1077.8	1056.2	834.7
85°	226.9	226.9	348.5	348.5	351.2	270.1	226.9	461.9	570.0	532.1	391.7
87.5°	72.9	75.6	105.3	110.7	175.6	121.6	110.7	172.9	270.1	237.7	140.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0	3101.0
2.5°	3165.8	3122.6	3103.7	3041.5	3025.3	2984.8	2965.9	2941.6	2933.5	2898.4	2930.8
5°	3190.1	3176.6	3101.0	3022.6	2963.2	2936.2	2895.7	2841.7	2836.3	2787.6	2782.2
7.5°	3292.8	3246.8	3114.5	3030.7	2911.9	2844.4	2755.2	2728.2	2693.1	2676.9	2712.0
10°	3452.1	3336.0	3138.8	2928.1	2782.2	2701.2	2636.4	2617.5	2620.2	2609.4	2593.1
12.5°	3565.6	3454.8	3098.3	2841.7	2652.6	2574.2	2568.8	2587.7	2617.5	2603.9	2622.9
15°	3727.6	3519.7	3068.6	2698.5	2547.2	2525.6	2522.9	2579.6	2576.9	2576.9	2574.2
17.5°	3878.9	3584.5	2960.5	2574.2	2436.5	2452.7	2471.6	2468.9	2495.9	2506.7	2525.6
20°	4070.7	3660.1	2809.2	2450.0	2352.7	2347.3	2344.6	2347.3	2374.3	2390.6	2377.0
22.5°	4238.2	3676.3	2682.3	2331.1	2252.8	2231.2	2196.1	2231.2	2217.7	2223.1	2239.3
25°	4384.0	3679.0	2501.3	2242.0	2152.8	2104.2	2077.2	2074.5	2050.2	2047.5	2047.5
27.5°	4505.6	3587.2	2341.9	2117.7	2034.0	1988.1	1985.4	1955.7	1893.5	1853.0	1858.4
30°	4600.1	3517.0	2231.2	2009.7	1928.7	1920.5	1896.2	1828.7	1747.7	1696.3	1696.3
32.5°	4767.6	3376.5	2079.9	1898.9	1858.4	1847.6	1790.9	1731.5	1655.8	1607.2	1599.1
35°	4891.9	3246.8	1980.0	1804.4	1785.5	1763.9	1715.3	1650.4	1628.8	1618.0	1626.1
37.5°	5032.3	3101.0	1858.4	1723.4	1742.3	1701.8	1645.0	1615.3	1690.9	1672.0	1680.1
40°	5256.5	2998.3	1739.6	1674.7	1693.6	1647.7	1574.8	1564.0	1658.5	1591.0	1574.8
42.5°	5667.1	2995.6	1666.6	1601.8	1615.3	1580.2	1515.4	1510.0	1547.8	1466.7	1442.4
45°	6177.6	3090.2	1612.6	1547.8	1537.0	1531.6	1510.0	1485.7	1453.2	1347.9	1320.9
47.5°	6788.1	3244.1	1601.8	1466.7	1480.3	1526.2	1499.2	1437.0	1353.3	1285.8	1272.3
50°	7528.2	3562.9	1574.8	1407.3	1431.6	1504.6	1483.0	1396.5	1320.9	1277.7	1269.6
52.5°	8346.7	3965.3	1539.7	1315.5	1369.5	1485.7	1496.5	1415.4	1304.7	1266.9	1261.5
55°	9311.0	4559.6	1499.2	1215.5	1296.6	1466.7	1496.5	1361.4	1283.1	1283.1	1277.7
57.5°	11215.3	5629.3	1415.4	1123.7	1231.7	1431.6	1453.2	1364.1	1285.8	1285.8	1275.0
60°	14008.4	7298.6	1256.1	1053.5	1169.6	1383.0	1420.8	1323.6	1256.1	1272.3	1269.6
62.5°	16193.6	7806.4	1121.0	985.9	1107.5	1293.9	1377.6	1280.4	1220.9	1280.4	1285.8
65°	16661.0	7293.2	983.2	913.0	1021.1	1207.4	1315.5	1218.2	1169.6	1285.8	1291.2
66°	16493.5	6893.4	934.6	891.4	983.2	1164.2	1277.7	1196.6	1142.6	1280.4	1283.1
67.5°	15747.9	6293.8	880.6	845.5	931.9	1102.1	1234.4	1166.9	1099.4	1264.2	1239.8
70°	14127.2	5337.6	788.7	764.4	859.0	999.4	1134.5	1091.3	1031.9	1164.2	1121.0
72.5°	10880.4	4265.2	691.5	694.2	775.2	894.1	1034.6	1004.8	953.5	1021.1	994.0
75°	6626.0	2725.5	602.4	607.8	675.3	794.2	940.0	918.4	856.3	894.1	880.6
77.5°	2936.2	1350.6	507.8	518.6	572.7	699.6	818.5	783.3	718.5	726.6	721.2
80°	1139.9	640.2	413.3	426.8	461.9	559.1	678.0	645.6	588.9	578.1	572.7
82.5°	548.3	356.6	318.7	324.1	337.6	445.7	583.5	542.9	467.3	418.7	418.7
85°	275.5	221.5	224.2	205.3	224.2	302.5	394.4	329.5	272.8	243.1	248.5
87.5°	110.7	110.7	110.7	94.5	99.9	143.2	183.7	124.3	113.5	67.5	67.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)